ABSTRACT

A signal recording apparatus, has

 $\label{eq:quantization} \text{ quantization means of quantizing a signal employing a}$ quantization step;

quantization information creating means of creating plural pieces of quantization information to specify the quantization step;

encoding means of generating an encoded signal from the quantized signal; and

recording means of recording a compressed signal having data containing the plural pieces of quantization information and the encoded signal.